



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/686,895	10/16/2003	Hirofumi Onishi	ALPINE.036AUS	7531

7590 05/05/2005
MURAMATSU & ASSOCIATES
Suite 225
7700 Irvine Center Drive
Irvine, CA 92618

EXAMINER

MANCHO, RONNIE M

ART UNIT	PAPER NUMBER
----------	--------------

3663

DATE MAILED: 05/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/686,895	Applicant(s) HIROFUMI ONISHI	
	Examiner Ronnie Mancho	Art Unit 3663	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 October 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>10/25/04</u> . | 6) <input type="checkbox"/> Other: _____ |

A

DETAILED ACTION

Drawings

1. Figures 1-3 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Applicant has clearly indicated on pages 15, 8, & 9 that figs 1-3 are prior art. The examiner also has cited some references believed to show the same drawings indicated in figs. 1-3 of applicants disclosure.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Miyaki (US 2002/0130906).

Regarding claim 1, Miyaki (abstract, figs. 12A&B) discloses a display method for a navigation system for displaying a list of points of interest, comprising the steps of:

Art Unit: 3663

receiving map data from a map data storage (14, fig. 1) and retrieves information on points of interest (POI 15, fig. 1) specified by a user;

examining whether the point of interest in the retrieved information is located within a large structure (polygon, 12A&B; figs. 11, sections 0055-0058);

retrieving an icon representing a type of the large structure (polygon, 12A&B; figs. 11, sections 0055-0058) in which the point of interest is located; and displaying a name of the point of interest located within the large structure together with the icon of the large structure on a monitor screen (27, fig. 1).

Regarding claim 2, Miyaki (abstract, figs. 12A&B; figs. 11, sections 0055-0058) discloses the display method for a navigation system as defined in claim 1, wherein said step of examining whether the point of interest is located within a large structure includes a step of checking point coordinate data in the map data representing a location of the point of interest and polygon data (polygon, 12A&B; figs. 11, sections 0055-0058) in the map data representing an area of a land or a structure to see whether or not the location of the point of interest is included within the area of the land or structure.

Regarding claim 3, Miyaki (abstract, figs. 12A&B; figs. 11, sections 0055-0058) discloses the display method for a navigation system as defined in claim 1, wherein said step of examining whether the point of interest is located within a large structure includes a step of comparing point coordinate data in the map data representing a location of the point of interest and polygon data in the map data representing an area of a land or a structure, and a step of determining whether or not the location of the point of interest is within a boundary of the large structure defined by the polygon data.

Art Unit: 3663

Regarding claim 4, Miyaki (abstract, figs. 12A&B; figs. 11, sections 0055-0058) discloses the display method for a navigation system as defined in claim 1, further comprising the step of: displaying detailed information on the large structure when the user specifies the icon representing the type of large structure.

Regarding claim 5, Miyaki (abstract, figs. 12A&B; figs. 11, sections 0055-0058) discloses the display method for a navigation system as defined in claim 4, wherein said detailed information on the large structure displayed on the navigation system includes a name and an address of the large structure.

Regarding claim 6, Miyaki (abstract, figs. 12A&B; figs. 11, sections 0055-0058) discloses the display method for a navigation system as defined in claim 4, wherein said step of displaying the detailed information on the large structure includes a step of producing a pop-up screen showing the detailed information on the monitor screen.

Regarding claim 7, Miyaki (abstract, figs. 12A&B; figs. 11, sections 0055-0058) discloses a display apparatus for a navigation system, comprising:

means for selecting a method for searching point of interest information;

a map data storage 14 which stores map data including point of interest information and large structure information;

a point of interest display control unit (26, 27) which examines the map data from the map data storage and determines whether a point of interest is located within a large structure;

a memory 15 which stores icons where each icon represents a type of large structure expressed by the large structure information in the map data; and a monitor which displays information associated with the navigation system including a list of points of interest,

Art Unit: 3663

wherein said point of interest display control unit controls said monitor to display the point of interest located within the large structure together with the icon of the large structure, thereby enabling the user to see whether or not a particular point of interest is located within a large structure (figs. 12A&B; figs. 11, sections 0055-0058).

Regarding claim 8, Miyaki (abstract, figs. 12A&B; figs. 11, sections 0055-0058) discloses the display apparatus for a navigation system as defined in claim 7, wherein said point of interest display control unit checks point coordinate data in the map data representing a location of the point of interest and polygon data in the map data representing an area of a land or a structure to see whether or not the location of the point of interest is included within the area of the land or structure.

Regarding claim 9, Miyaki (abstract, figs. 12A&B; figs. 11, sections 0055-0058) discloses the display apparatus for a navigation system as defined in claim 7, wherein said point of interest display control unit compares point coordinate data in the map data representing a location of the point of interest and polygon data in the map data representing an area of a land or a structure, and determines whether or not the location of the point of interest is within a boundary of the large structure defined by the polygon data.

Regarding claim 10, Miyaki (abstract, figs. 12A&B; figs. 11, sections 0055-0058) discloses the display apparatus for a navigation system as defined in claim 7, wherein said point of interest display control unit causes said monitor to display detailed information on the large structure when the user specifies the icon representing the type of large structure.

Regarding claim 11, Miyaki (abstract, figs. 12A&B; figs. 11, sections 0055-0058) discloses the display apparatus for a navigation system as defined in claim 10, wherein said

Art Unit: 3663

detailed information on the large structure displayed on the navigation system includes a name and an address of the large structure.

Regarding claim 12, Miyaki (abstract, figs. 12A&B; figs. 11, sections 0055-0058) discloses the display apparatus for a navigation system as defined in claim 10, wherein said point of interest display control unit causes said monitor to display a pop-up screen showing the detailed information on said large structure.

Regarding claim 13, Miyaki (abstract, figs. 12A&B; figs. 11, sections 0055-0058) discloses the display apparatus for a navigation system, comprising: means for receiving map data from a map data storage and retrieving information on points of interest specified by a user; means for examining whether or not the point of interest in the retrieved information is located within a large structure; means for retrieving an icon representing a type of the large structure in which the point of interest is located; and means for displaying a name of the point of interest located within the large structure together with the icon of the large structure on a monitor screen.

Regarding claim 14, Miyaki (abstract, figs. 12A&B; figs. 11, sections 0055-0058) discloses the display apparatus for a navigation system as defined in claim 13, wherein said means for examining whether the point of interest is located within a large structure includes means for checking point coordinate data in the map data representing a location of the point of interest and polygon data in the map data representing an area of a land or a structure to see whether or not the location of the point of interest is included within the area of the land or structure.

Regarding claim 15, Miyaki (abstract, figs. 12A&B; figs. 11, sections 0055-0058) discloses the display apparatus for a navigation system as defined in claim 13, wherein said means for examining whether the point of interest is located within a large structure includes a step of comparing point coordinate data in the map data representing a location of the point of interest and polygon data in the map data representing an area of a land or a structure, and means for determining whether or not the location of the point of interest is within a boundary of the large structure defined by the polygon data.

Regarding claim 16, Miyaki (abstract, figs. 12A&B; figs. 11, sections 0055-0058) discloses the display apparatus for a navigation system as defined in claim 13, further comprising means for displaying detailed information on the large structure when the user specifies the icon representing the type of large structure.

Regarding claim 17, Miyaki (abstract, figs. 12A&B; figs. 11, sections 0055-0058) discloses the display apparatus for a navigation system as defined in claim 16, wherein said detailed information on the large structure displayed on the navigation system includes a name and an address of the large structure.

Regarding claim 18, Miyaki (abstract, figs. 12A&B; figs. 11, sections 0055-0058) discloses the display apparatus for a navigation system as defined in claim 16, wherein said means for displaying the detailed information on the large structure includes means for producing a pop-up screen showing the detailed information on the monitor screen.

Art Unit: 3663

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following: US006321158B1, US 20040243306A1, US006836723B2, and US 20050051623A1 all disclose a vehicle navigation system.

Communication

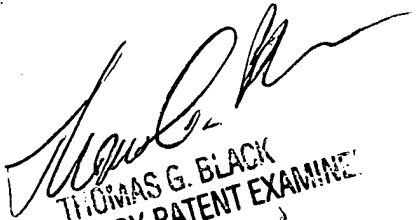
5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ronnie Mancho whose telephone number is 703-305-6318. The examiner can normally be reached on Mon-Thurs: 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Black can be reached on 703-305-9707. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ronnie Mancho
Examiner
Art Unit 3663

4/29/05


THOMAS G. BLACK
SUPERVISORY PATENT EXAMINER
GROUP 3800